

07-10-03

1653

PTO/SB/21 (05-03)

Approved for use through 04/30/2003. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	09/830,810	
	Filing Date	October 28, 1999	
	First Named Inventor	Martin M. Matzuk	
	Art Unit	1653	
	Examiner Name	Steven Post	
Total Number of Pages in This Submission	6	Attorney Docket Number	HO-P01925US1

**ENCLOSURES (check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): IDS by Applicant Postcard Copies of 10 references Copy of International Search Report
<b>Remarks</b>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	FULBRIGHT & JAWORSKI L.L.P. Melissa W. Acosta
Signature	
Date	July 9, 2003

**Transmittal**

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Dated: July 9, 2003

Signature: (Ronnie Webb)

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Dated: July 9, 2003

Signature:

(Ronnie Webb)

Docket No.: HO-P01925US1  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Martin M. Matzuk, et al.

Application No.: 09/830,810

Group Art Unit: 1653

Filed: October 28, 1999

Examiner: Steven Post

For: OVARY-SPECIFIC GENES AND PROTEINS

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)**

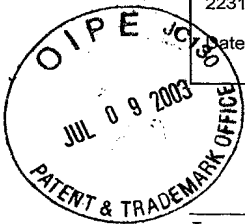
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 CFR 1.97, Applicant(s) hereby make of record the following additional documents. A PTO Form SB/08 and a full copy of each of these documents accompany this statement.

Applicant(s) have become aware of the following documents, cited in an International Search Report issued May 27, 2003, during the prosecution of international application no. PCT/US02/13245, which corresponds to the above referenced application, and in accordance with 37 CFR 1.97(c) and (e)(1) or (b)(3), hereby submit(s) these documents for the Examiner's consideration. These documents are cited on the enclosed PTO Form SB/08, and a copy of the International Search Report and each document cited thereon are enclosed as well.

This statement is not to be interpreted as a representation that the cited documents are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any document herein be construed *per se* as a representation that such document is prior art. Moreover, Applicant(s) understand(s) the Examiner will make an independent evaluation of the cited documents.



Application No.: 09/830,810

Docket No.: HO-P01925US1

The undersigned hereby certifies that each item contained in this Supplemental Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 06-2375, under Order No. HO-P01925US1.

Dated: July 9, 2003

Respectfully submitted,

By 

Melissa W. Aeosta

Registration No.: 45,872

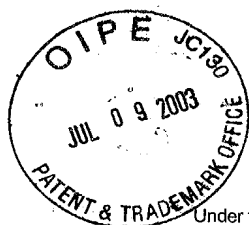
FULBRIGHT & JAWORSKI L.L.P.

1301 McKinney, Suite 5100

Houston, Texas 77010-3095

(713) 651-5151

(713) 651-5246 (Fax)



PTO/SB/08A (10-01)

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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	09/830,810
				Filing Date	October 28, 1999
				First Named Inventor	Martin M. Matzuk
				Art Unit	1653
				Examiner Name	Steven Post
Sheet	1	of	3	Attorney Docket Number	HO-P01925US1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA	WO-00/24755-A1	05-04-2000	Baylor College of Medicine		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

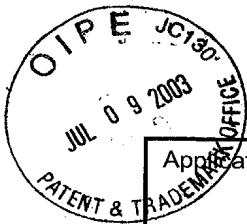
<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See attached Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	Wu, X., et al.; Zygote arrest 1 (Zar1) is a novel maternal-effect gene critical for the oocyte-to-embryo transition; Nat Genet. 33(2):187 - 191, February 2003	
	CB	Matzuk, M.M., et al.; Genetic dissection of mammalian fertility pathways; Nat Cell Biol. Suppl 4:S41 - 49, October 2002	
	CC	Varani, S., et al.; Phenotypic effects of knockout of oocyte-specific genes; Ernst Schering Res Found Workshop (41):63 - 79, 2002	
	CD	Matzuk, M. M., et al.; Intercellular communication in the mammalian ovary: oocytes carry the conversation. Science 296 (5576):2178 - 2180; June 21, 2002	
	CE	Rajkovic, A., et al.; Functional analysis of oocyte-expressed genes using transgenic models. Mol Cell Endocrinol. 187(1-2):5 - 9, February 22, 2002	
	CF	Yan, C., et al.; Oosp1 encodes a novel mouse oocytesecreted protein; Genesis 31(3):105 - 110, November 2001	
	CG	Lau, A., et al.; Transgenic models in the study of reproduction; Gravit Space Biol Bull. 12(2):75 - 82, May 1999	
	CH	Elvin, J.A., et al.; Oocyte-expressed TGF-beta superfamily members in female fertility; Mol Cell Endocrinol 159(1-2):1 - 5, January 25, 2000	
	CI	The Sanger Centre, et al.; Toward a Complete Human Genome Sequence; Genome Research 8:1097 - 1108, 1998	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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Application No. (if known): 09/830,810

Attorney Docket No.: HO-P01925US1

## Certificate of Express Mailing Under 37 CFR 1.10

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IDS (Citation) by Applicant

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/13245

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07H 21/04; C12Q 1/68  
US CL : 536/23.1, 536/24.3, 536/24.33, 536/24.32; 436/6

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 536/23.1, 536/24.3, 536/24.33, 536/24.32; 436/6

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
GENBANK, MEDLINE, CAPLUS,

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A, P	WO 00/24755 A1 (BAYLOR COLLEGE OF MEDICINE) 04 May 2000, see entire reference.	1-13, 18 and 19
A, P	SULTON et al. Toward A complete human genome sequence. Genome Research. 1998, Vol. 8, No. 11, page 1097-1108. see entire reference.	2

☐ Further documents are listed in the continuation of Box C.

See patent family annex.

## \* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance  
"E" earlier application or patent published on or after the international filing date  
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  
"O" document referring to an oral disclosure, use, exhibition or other means  
"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  
"&" document member of the same patent family

Date of the actual completion of the international search

20 February 2003 (20.02.2003)

Date of mailing of the international search report

27 MAY 2003

Name and mailing address of the ISA/US

Commissioner of Patents and Trademarks  
Box PCT  
Washington, D.C. 20231

Facsimile No. (703)305-3230

Authorized officer

*Ruthie Lawrence*  
Gary Benzion

Telephone No. (703) 308 0196